



Eastern Research Group  
601 Keystone Park Drive  
Suite 700  
Morrisville, NC 27560

October 18, 2016

Mr. Dave Shelow  
U.S. Environmental Protection Agency - OAQPS  
109 T.W. Alexander Drive  
Research Triangle Park, NC 27709  
Project Name: Chloroprene

Dear Mr. Dave Shelow,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 10/06/16 10:44 through 10/11/16 10:43.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift  
Program Manager  
[julie.swift@erg.com](mailto:julie.swift@erg.com)

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify [julie.swift@erg.com](mailto:julie.swift@erg.com) and delete the report without retaining any copies.



## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

ATTN: Mr. Dave Shelow

PHONE: (919) 541-2364 FAX: -

FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Ochsner Hospital	6100616-01	Air	10/04/16 13:05	10/06/16 10:44
East St. John the Baptist High	6100616-02	Air	10/04/16 13:00	10/06/16 10:44
Acorn and Hwy 44	6100616-03	Air	10/04/16 13:11	10/06/16 10:44
Levee	6100616-04	Air	10/04/16 13:14	10/06/16 10:44
238 Chad Baker	6100616-05	Air	10/04/16 13:22	10/06/16 10:44
Fifth Ward Elementary School	6100616-06	Air	10/04/16 13:18	10/06/16 10:44
Fifth Ward Elementary School	6100616-07	Air	10/04/16 13:18	10/06/16 10:44
East St. John the Baptist High	6101014-01	Air	10/07/16 12:25	10/10/16 11:08
238 Chad Baker	6101014-02	Air	10/07/16 12:47	10/10/16 11:08
Ochsner Hospital	6101014-03	Air	10/07/16 12:29	10/10/16 11:08
Acorn and Hwy 44	6101014-04	Air	10/07/16 12:36	10/10/16 11:08
Levee	6101014-05	Air	10/07/16 12:40	10/10/16 11:08
Fifth Ward Elementary School	6101014-06	Air	10/07/16 12:43	10/10/16 11:08
Fifth Ward Elementary School	6101014-07	Air	10/07/16 12:43	10/10/16 11:08
Fifth Ward Elementary School	6101116-01	Air	10/10/16 12:06	10/11/16 10:43
Ochsner Hospital	6101116-02	Air	10/10/16 11:47	10/11/16 10:43
Fifth Ward Elementary School	6101116-03	Air	10/10/16 12:06	10/11/16 10:43
Levee	6101116-04	Air	10/10/16 12:01	10/11/16 10:43
238 Chad Baker	6101116-05	Air	10/10/16 12:11	10/11/16 10:43
East St. John the Baptist High	6101116-06	Air	10/10/16 11:41	10/11/16 10:43
Acorn and Hwy 44	6101116-07	Air	10/10/16 11:56	10/11/16 10:43

Eastern Research Group

*The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 6100616-01

Sampled: 10/04/16 13:05

Pressure @ Receipt: 7.00" Hg

Canister #: 18885

Received: 10/06/16 10:44

Comments: PR-9 Start 12:28 10/3/16

Analyzed: 10/10/16 16:48

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.67	6.06		0.010



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REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6100616-02

Sampled: 10/04/16 13:00

Pressure @ Receipt: 7.00" Hg

Canister #: A21079

Received: 10/06/16 10:44

Comments: PR-10 Start 12:24 10/3/16

Analyzed: 10/10/16 17:50

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	6.86	24.90		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 6100616-03

Sampled: 10/04/16 13:11

Pressure @ Receipt: 8.00" Hg

Canister #: A21050

Received: 10/06/16 10:44

Comments: PR-22 Start 12:37 10/3/16

Analyzed: 10/10/16 18:53

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.350	1.27		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 6100616-04

Sampled: 10/04/16 13:14

Pressure @ Receipt: 9.50" Hg

Canister #: 183

Received: 10/06/16 10:44

Comments: PR-4 Start 12:41 10/3/16

Analyzed: 10/10/16 19:56

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	7.39	26.80		0.010



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REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6100616-05

Sampled: 10/04/16 13:22

Pressure @ Receipt: 7.00" Hg

Canister #: 18868

Received: 10/06/16 10:44

Comments: PR-18 Start 12:57 10/3/16

Analyzed: 10/11/16 17:12

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	10.3	37.40	D	0.037



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REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6100616-06

Sampled: 10/04/16 13:18

Pressure @ Receipt: 7.00" Hg

Canister #: A21073

Received: 10/06/16 10:44

Comments: Col 1 PR-23 Start 12:48 10/3/16

Analyzed: 10/11/16 18:15

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	11.7	42.50	D	0.037





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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6100616-07

Sampled: 10/04/16 13:18

Pressure @ Receipt: 7.50" Hg

Canister #: 18818

Received: 10/06/16 10:44

Comments: Col 2 PR-5 Start 12:48 10/3/16

Analyzed: 10/11/16 19:18

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	9.19	33.30	D	0.037



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6101014-01

Sampled: 10/07/16 12:25

Pressure @ Receipt: 8.50" Hg

Canister #: 5115

Received: 10/10/16 11:08

Comments: PR-9 Start 11:57 10/6/16

Analyzed: 10/11/16 02:15

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.379	1.38		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6101014-02

Sampled: 10/07/16 12:47

Pressure @ Receipt: 9.50" Hg

Canister #: 5147

Received: 10/10/16 11:08

Comments: PR-4 Start 12:21 10/6/16

Analyzed: 10/11/16 22:28

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	9.03	32.80	D	0.016



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 6101014-03

Sampled: 10/07/16 12:29

Pressure @ Receipt: 9.00" Hg

Canister #: SAT096

Received: 10/10/16 11:08

Comments: PR-22 Start 12:03 10/6/16

Analyzed: 10/11/16 04:21

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.194	0.70		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 6101014-04

Sampled: 10/07/16 12:36

Pressure @ Receipt: 9.00" Hg

Canister #: 5016

Received: 10/10/16 11:08

Comments: PR-5 Start 12:10 10/6/16

Analyzed: 10/11/16 05:24

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	0.111	0.40		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 6101014-05

Sampled: 10/07/16 12:40

Pressure @ Receipt: 7.50" Hg

Canister #: A22304

Received: 10/10/16 11:08

Comments: PR-10 Start 12:13 10/6/16

Analyzed: 10/11/16 06:27

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.17	4.25		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6101014-06

Sampled: 10/07/16 12:43

Pressure @ Receipt: 8.50" Hg

Canister #: 5066

Received: 10/10/16 11:08

Comments: Col 1 PR-18 Start 12:17 10/6/16

Analyzed: 10/11/16 07:30

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.59	5.77		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6101014-07

Sampled: 10/07/16 12:43

Pressure @ Receipt: 8.00" Hg

Canister #: 090

Received: 10/10/16 11:08

Comments: Col 2 PR-23 Start 12:17 10/6/16

Analyzed: 10/11/16 08:33

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	1.58	5.73		0.010





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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6101116-01

Sampled: 10/10/16 12:06

Pressure @ Receipt: 7.50" Hg

Canister #: 18876

Received: 10/11/16 10:43

Comments: Col 1 PR-23 Start 11:46 10/9/16

Analyzed: 10/11/16 23:32

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	3.44	12.50		0.010



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REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 6101116-02

Sampled: 10/10/16 11:47

Pressure @ Receipt: 8.00" Hg

Canister #: 19651

Received: 10/11/16 10:43

Comments: PR-5 Start 11:49 10/9/16

Analyzed: 10/12/16 03:47

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 6101116-03

Sampled: 10/10/16 12:06

Pressure @ Receipt: 7.00" Hg

Canister #: SAT106

Received: 10/11/16 10:43

Comments: Col 2 PR-10 Start 12:02 10/9/16

Analyzed: 10/12/16 00:35

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	3.47	12.60		0.010



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REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 6101116-04

Sampled: 10/10/16 12:01

Pressure @ Receipt: 7.50" Hg

Canister #: 171

Received: 10/11/16 10:43

Comments: PR-18 Start 11:58 10/9/16

Analyzed: 10/12/16 04:49

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	2.41	8.75		0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 6101116-05

Sampled: 10/10/16 12:11

Pressure @ Receipt: 9.50" Hg

Canister #: 19280

Received: 10/11/16 10:43

Comments: PR-4 Start 12:06 10/9/16

Analyzed: 10/12/16 05:53

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	2.34	8.49		0.010



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 6101116-06

Sampled: 10/10/16 11:41

Pressure @ Receipt: 7.50" Hg

Canister #: SAT134

Received: 10/11/16 10:43

Comments: PR-9 Start 11:46 10/9/16

Analyzed: 10/12/16 06:56

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 6101116-07

Sampled: 10/10/16 11:56

Pressure @ Receipt: 9.00" Hg

Canister #: 5114

Received: 10/11/16 10:43

Comments: PR-22 Start 11:55 10/9/16

Analyzed: 10/12/16 08:00

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

ATTN: Mr. Dave Shelow

PHONE: (919) 541-2364 FAX: -

FILE #: 0344.00

REPORTED: 10/18/16 12:14

SUBMITTED: 10/06/16 to 10/11/16

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

#### Batch B6J1004 - Summa Canister Prep

##### Blank (B6J1004-BLK1)

Prepared: 10/03/16 Analyzed: 10/10/16

Chloroprene	ND	ppbv				U
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##### Duplicate (B6J1004-DUP1)

Source: 6100616-06

Prepared: 10/04/16 Analyzed: 10/11/16

Chloroprene	11.3	ppbv	11.70	3.80	25	D
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##### Duplicate (B6J1004-DUP2)

Source: 6100616-07

Prepared: 10/04/16 Analyzed: 10/11/16

Chloroprene	8.96	ppbv	9.19	2.47	25	D
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##### Duplicate (B6J1004-DUP3)

Source: 6101014-06

Prepared: 10/07/16 Analyzed: 10/11/16

Chloroprene	1.59	ppbv	1.59	0.169	25	
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##### Duplicate (B6J1004-DUP4)

Source: 6101014-07

Prepared: 10/07/16 Analyzed: 10/11/16

Chloroprene	1.61	ppbv	1.58	1.52	25	
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#### Batch B6J1106 - Summa Canister Prep

##### Blank (B6J1106-BLK1)

Prepared: 10/03/16 Analyzed: 10/11/16

Chloroprene	ND	ppbv				U
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##### Duplicate (B6J1106-DUP1)

Source: 6101116-01

Prepared: 10/10/16 Analyzed: 10/12/16

Chloroprene	3.53	ppbv	3.44	2.75	25	
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##### Duplicate (B6J1106-DUP2)

Source: 6101116-03

Prepared: 10/10/16 Analyzed: 10/12/16

Chloroprene	3.69	ppbv	3.47	6.22	25	
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**FILE #:** 0344.00

**REPORTED:** 10/18/16 12:14

**SUBMITTED:** 10/06/16 to 10/11/16

**AQS SITE CODE:**

**SITE CODE:** Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

#### *Sequence 1610016*

##### **Calibration Check (1610016-CCV1)**

Prepared & Analyzed: 10/10/16

Chloroprene	2.28	ppbv	-8.8	30.00
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#### *Sequence 1610018*

##### **Calibration Check (1610018-CCV1)**

Prepared & Analyzed: 10/11/16

Chloroprene	2.38	ppbv	-4.9	30.00
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**FILE #:** 0344.00

**REPORTED:** 10/18/16 12:14

**SUBMITTED:** 10/06/16 to 10/11/16

**AQS SITE CODE:**

**SITE CODE:** Chloroprene

### Notes and Definitions

U	Under Detection Limit
D	This result obtained by dilution.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.